

WHAT IS CLAIMED IS:

- 1 1. A method of distributing vehicle control information, comprising:
 - 2 determining vehicle control information, the vehicle control information being
 - 3 dependent on at least one of: (i) time information, (ii) operator information, and (iii)
 - 4 vehicle information; and
- 5 transmitting the vehicle control information to a vehicle device.
- 1 2. The method of claim 1, wherein the vehicle control information is associated
2 with at least one of: (i) an intersection control signal, (ii) a speed limit, (iii) a merge
3 indication, (iv) a parking regulation, (v) a direction of travel, (vi) location information,
4 (vii) an allowable vehicle action, and (viii) a prohibited vehicle action.
- 1 3. The method of claim 1, wherein the vehicle control information is dependent
2 on time information, and the time information is associated with at least one of: (i) a time
3 of day, (ii) a day of week, and (iii) a date.
- 1 4. The method of claim 1, wherein the vehicle control information is dependent
2 on operator information, and the operator information is associated with at least one of:
3 (i) an operator identifier, (ii) an operator category, (iii) an operator age, (iv) an operator
4 license, (v) insurance information, and (vi) subscription information.
- 1 5. The method of claim 1, wherein the vehicle control information is dependent
2 on operator information, and the operator information is associated with at least one of:
3 (i) an operator preference, (ii) an indication type, (iii) a display location, (iv) an
4 indication duration, and (v) a threshold level.

1 6. The method of claim 1, wherein the vehicle control information is dependent
2 on vehicle information, and the vehicle information is associated with at least one of: (i) a
3 vehicle identifier, (ii) a vehicle category, (iii) a vehicle weight, (iv) a vehicle height, and
4 (v) item information associated with the vehicle.

1 7. The method of claim 1, wherein said transmitting is performed at least one of:
2 (i) periodically, (ii) when communication with the vehicle device is possible, (iii) based
3 on a location of the vehicle device, and (iv) upon a change in vehicle control information.

1 8. The method of claim 1, wherein said transmitting is performed in response to a
2 request received from the vehicle device.

1 9. The method of claim 8, wherein the vehicle control information is determined
2 based on the request.

1 10. The method of claim 8, wherein the request indicates a direction of vehicle
2 travel.

1 11. The method of claim 1, wherein the vehicle control information includes a
2 plurality of vehicle control values and associated rules.

1 12. The method of claim 1, further comprising:
2 transmitting the vehicle control information to another vehicle device.

1 13. The method of claim 1, further comprising at least one of: (i) transmitting a
2 request to the vehicle device, and (ii) receiving a confirmation from the vehicle device.

1 14. The method of claim 1, further comprising:
2 receiving the vehicle control information from a central controller.

1 15. The method of claim 1, further comprising:
2 transmitting location information associated with the vehicle control information.

1 16. The method of claim 1, wherein said transmitting is performed via at least
2 one of: (i) a wireless communication device, (ii) a Bluetooth device, (iii) an Internet
3 device, (iv) a telephone device, (v) a vehicle device, (vi) a portable computing device,
4 (vii) a personal digital assistant, and (viii) a pager.

1 17. The method of claim 1, further comprising:
2 storing the vehicle control information.

1 18. A computer-implemented method of distributing automobile control
2 information, comprising:
3 determining intersection control information; and
4 transmitting the intersection control information to an automobile device.

1 19. An information controller, comprising:
2 a processor; and
3 a storage device in communication with said processor and storing instructions
4 adapted to be executed by said processor to:

5 determine vehicle control information, the vehicle control information
6 being dependent on at least one of: (i) time information, (ii) operator information,
7 and (iii) vehicle information, and
8 transmit the vehicle control information to a vehicle device.

1 20. The information controller of claim 19, wherein said storage device further
2 stores an information controller database.

1 21. The information controller of claim 19, further comprising:
2 a communication device coupled to said processor and adapted to communicate
3 with at least one of: (i) the vehicle device, (ii) a central controller, (iii) a payment device,
4 (iv) a third-party device, and (v) another vehicle device.

1 22. The information controller of claim 19, further comprising:
2 a back-up power source.

1 23. A medium storing instructions adapted to be executed by a processor to
2 perform a method of distributing vehicle control information, said method comprising:
3 determining vehicle control information, the vehicle control information being
4 dependent on at least one of: (i) time information, (ii) operator information, and (iii)
5 vehicle information; and
6 transmitting the vehicle control information to a vehicle device.

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1 24. A method of distributing vehicle control information, comprising:
2 receiving vehicle control information at a vehicle device, the vehicle control
3 information being dependent on at least one of: (i) time information, (ii) operator
4 information, and (iii) vehicle information; and
5 arranging for the vehicle control information to be provided to an operator.

1 25. The method of claim 24, wherein said arranging is further based on location
2 information.

1 26. The method of claim 24, wherein said arranging comprises providing at least
2 one of: (i) text information, (ii) image information, (iii) audio information, (iv) dashboard
3 information, and (v) head up display information.

1 27. The method of claim 24, further comprising:
2 comparing vehicle operation with the vehicle control information; and
3 providing an alert to the operator based on said comparing.

1 28. The method of claim 24, further comprising:
2 arranging for a vehicle to operate in accordance with the vehicle control
3 information.

1 29. The method of claim 24, further comprising:
2 determining operator information.

1 30. The method of claim 29, further comprising:
2 transmitting the operator information to an information controller in a request.

1 31. The method of claim 29, wherein said arranging comprises:
2 arranging for the vehicle control information to be provided in accordance with
3 the operator information.

1 32. The method of claim 29, wherein said determining is associated with at least
2 one of: (i) an operator identifier, (ii) a vehicle key, (iii) an operator license, and (iv) a
3 biometric identification.

1 33. The method of claim 24, wherein the vehicle control information is
2 associated with at least one of: (i) an intersection control signal, (ii) a speed limit, (iii)
3 vehicle merge information, (iv) a parking regulation, (v) a direction of travel, (vi)
4 location information, (vii) an allowable vehicle action, and (viii) a prohibited vehicle
5 action.

1 34. The method of claim 24, wherein the vehicle control information is
2 dependent on time information, and the time information is associated with at least one
3 of: (i) a time of day, (ii) a day of week, and (iii) a date.

1 35. The method of claim 24, wherein the vehicle control information is
2 dependent on operator information, and the operator information is associated with at
3 least one of: (i) an operator identifier, (ii) an operator category, (iii) an operator age, (iv)
4 an operator license, (v) insurance information, and (vi) subscription information.

1 36. The method of claim 24, wherein the vehicle control information is
2 dependent on operator information, and the operator information is associated with at
3 least one of: (i) an operator preference, (ii) an indication type, (iii) a display location, (iv)
4 an indication duration, and (v) a threshold level.

1 37. The method of claim 24, wherein the vehicle control information is
2 dependent on vehicle information, and the vehicle information is associated with at least
3 one of: (i) a vehicle identifier, (ii) a vehicle category, (iii) a vehicle weight, (iv) a vehicle
4 height, and (v) item information associated with the vehicle.

1 38. The method of claim 24, wherein said receiving is performed at least one of:
2 (i) periodically, (ii) when communication with an information controller is possible, (iii)
3 based on a location of the vehicle device, and (iv) upon a change in vehicle control
4 information.

1 39. The method of claim 24, further comprising at least one of: (i) transmitting a
2 request to an information controller, (ii) receiving a request from an information
3 controller, and (iii) transmitting a confirmation to an information controller.

1 40. The method of claim 24, wherein the vehicle control information includes a
2 plurality of vehicle control values and associated rules.

1 41. The method of claim 24, further comprising:
2 transmitting the vehicle control information to at least one of: (i) another vehicle
3 device, and (ii) another operator.

1 42. The method of claim 24, wherein said receiving is performed via at least one
2 of: (i) a wireless communication device, (ii) a Bluetooth device, (iii) an Internet device,
3 (iv) a telephone device, (v) a vehicle device, (vi) a portable computing device, (vii) a
4 personal digital assistant, and (viii) a pager.

1 43. The method of claim 24, further comprising:
2 storing the vehicle control information.

1 44. A vehicle device, comprising:
2 a processor; and
3 a storage device in communication with said processor and storing instructions
4 adapted to be executed by said processor to:
5 receive vehicle control information, the vehicle control information being
6 dependent on at least one of: (i) time information, (ii) operator information, and
7 (iii) vehicle information; and
8 arrange for the vehicle control information to be provided to an operator.

1 45. The vehicle device of claim 44, wherein said storage device further stores a
2 vehicle device database.

1 46. The vehicle device of claim 44, further comprising:
2 a communication device coupled to said processor and adapted to communicate
3 with at least one of: (i) another vehicle device, (ii) an information controller, (iii) a
4 payment device, and (iv) a third-party device.

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1 47. The vehicle device of claim 44, further comprising:
2 an input device coupled to said processor and adapted to receive information from
3 the operator; and
4 an output device coupled to said processor and adapted to provide information to
5 the operator.

1 48. A medium storing instructions adapted to be executed by a processor to
2 perform a method of distributing vehicle control information, said method comprising:
3 receiving vehicle control information at a vehicle device, the vehicle control
4 information being dependent on at least one of: (i) time information, (ii) operator
5 information, and (iii) vehicle information; and
6 arranging for the vehicle control information to be provided to an operator.

1 49. A computer-implemented method of distributing automobile control
2 information, comprising:
3 receiving intersection control information at an automobile device; and
4 arranging for the intersection control information to be provided to an operator.

1 50. A method of distributing vehicle control information, comprising:
2 determining time-dependent vehicle control information; and
3 transmitting the time-dependent vehicle control information to a vehicle device.

1 51. The method of claim 50, wherein the time-dependent vehicle control
2 information is associated with a school zone.

1 52. A method of distributing vehicle control information, comprising:
2 determining operator-dependent vehicle control information; and
3 transmitting the operator-dependent vehicle control information to a vehicle
4 device.

1 53. The method of claim 52, wherein the operator-dependent vehicle control
2 information comprises at least one of: (i) traffic information, (ii) detour information, and
3 (iii) weather information.

1 54. A method of distributing supplemental vehicle information, comprising:
2 determining supplemental vehicle information; and
3 transmitting the supplemental vehicle information to a vehicle device.

1 55. The method of claim 54, wherein the supplemental vehicle information
2 comprises at least one of: (i) advertising information, and (ii) tour information.

1 56. The method of claim 54, further comprising:
2 arranging for payment to be exchanged based on the supplemental vehicle
3 information.

1 57. The method of claim 54, wherein said arranging comprises:
2 arranging for an operator of a vehicle to provide payment in exchange for
3 receiving the supplemental information.

1 58. The method of claim 54, wherein said arranging comprises:
2 arranging for an operator of a vehicle to receive payment in exchange for
3 receiving the supplemental information.

1 59. The method of claim 54, wherein said arranging is associated with at least
2 one of: (i) a monetary amount, (ii) a subscription amount, (iii) a credit card account, (iv) a
3 debit card account, (v) a bank account, (vi) a digital payment protocol, and (vii) a non-
4 monetary amount.

1 60. The method of claim 54, wherein the supplemental vehicle information is
2 dependent on at least one of: (i) time information, (ii) operator information, and (iii)
3 vehicle information.